BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 3500000.00

Name of Work: Detailed Estimate for the work of Development of Rangamandhira in Ganesh Park of yelahanka A Sector of Ward No-04.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	A) civil Works								
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)	cum							
	coloumns for roof struss	2x8	16	0.90	0.90	0.90	11.66		
	for SSM		2	20.00	0.75	0.75	22.50		
			2	15.00	0.75	0.75	16.88		
	for Damaged CLF		1	50.00	0.90	0.90	40.50		
	for gate		2	0.60	0.60	0.90	0.65		
	for sump		1	3.00	3.00	2.50	22.50		
							114.69	**204.12**	**23410.00**
	Basic Rate	189.00							
	Area Weightage @ 8%	15.12							
	Total	**204.12**							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
			Vide Item No. 1				**114.69**	**87.26**	**10008.00**
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.50 X 4	12.80							
		80.80							
	Area Weightage @ 8%	6.46							
	Total	**87.26**							

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB-4-1.2 Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2016-17	Cum							
	coloumns for roof struss	2x8	16	0.90	0.90	0.15	1.94		
	for SSM		2	20.00	0.75	0.15	4.50		
			2	15.00	0.75	0.15	3.38		
	for flat form floorig		1	20.00	15.00	0.15	45.00		
	for CLF		1	50.00	0.75	0.15	5.63		
	gate		1	0.60	0.60	0.15	0.05		
	for benches		10	2.50	2.50	0.15	9.38		
	for sump		1	3.00	3.00	0.15	1.35		
	all round flagging concrete		1	20.00	1.00	0.150	3.00		
			2	18.00	1.00	0.150	5.40		
							79.62	5449.68	433904.00
	Basic Rate	5046.00							
	Area Weightage @ 8%	403.68							
	Total	5449.68							
4	KSRB 5.2.3 Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Sqm							
	for SSM		2	20.00	0.60	0.80	19.20		
			2	15.00	0.60	0.80	14.40		
	for CLF		1	50.00	0.60	0.80	24.00		
							57.60	4521.96	260465.00
	Basic Rate	4187.00							
	Area Weightage @ 8%	334.96							
	Total	4521.96							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	Providing vitrified glazed tiles of approved make quality & colour or size 600x600 x 10mm thick fixed on bed of 12mm thick cement morter for flooring skirting and joined with neat cement slurry mixed with pigment to mach shade of tiles including providing spacers at required interval and removing stains including cost of all materials morter labour etc complete as per specifications Item No. 14.45 / page no 107 PWD SR 2016-17	Sqm							
			1	17.00		17.00	289.00		
	platform for sitting benches		10	2.50		2.50	62.50		
							351.50	1200.96	**422137.00**
	Basic Rate	1112.00							
	Area Weightage @ 8%	88.96							
	Total	**1200.96**							
6	KSRB 15.1.1 Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications (Page No.113/Item No. 15.1)	Sqm							
			2	20.00		0.40	16.00		
			2	15.00		0.40	12.00		
	for clf		2	50.00		0.40	40.00		
							68.00	104.76	**7124.00**
	Basic Rate	97.00							
	Area Weightage @ 8%	7.76							
	Total	**104.76**							
7	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2016-17	cum							
	for flatform		1	20.00	15.00	0.35	105.00		
							105.00	**326.16**	**34246.80**
	Basic Rate	302.00							
	Area Weightage @ 8%	24.16							
	Total	**326.16**							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4.2.2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications Specification No. KBS 4.1.4.5, No. KBS 4.1.4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							
		2x8	16	0.90	0.90	1.00	12.96		
	for CLF coping concrete		2	50.00	0.45	0.10	4.50		
	for benches		10	2.50	2.50	0.075	4.69		
	for sump		1	3.00	3.00	0.150	1.35		
	all round flagging concrete		1	20.00	1.00	0.150	3.00		
			2	18.00	1.00	0.150	5.40		
							31.90	**6491.88**	**207091.00**
	Basic Rate	6011.00							
	Area Weightage @ 8%	480.88							
	Total	**6491.88**							
9	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	Quintal							
	75kg/cum		0.750	14.31			10.73		
				14.31			**10.73**	**5605.00**	**60142.00**
	Basic Rate	5605.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	Fabricating supplying and erecting M.S. TubulerTruss of span upto 10m bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line, in ereas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded toghter with 6mm gusset plate as per drawing, The enter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials, labour charges,and higher charges of mechineries for cutting welding, granding and erection equipments, with all lead and lift, transportation, etc, complete as per specification. Page No. 45/ I No. 7.29/ PWD SR 2016-17	Kgs							
	50mm dia foundation bolts 0.45mtrs long = 10x8x0.6= 48.00 rmt@2.47kg/rmtr=118.56		48.00	2.47			118.56		
	nuts 10x8 = 80 Nos @ 0.05kg/mtrs = 4.00kg		80	0.05			4.00		
	30cm base squre plate 10mm thick x 3Nos for each columns = 10x3 x0.45x0.45 =6.075@93.60kgs/sq		6.075	93.60			568.62		
	30cm dia MS pipe 6mm thick for each coloumns = 6mt height x 10Nos = 60 @46.30 kg/mtrs		60	46.30			2778.00		
	ISMC-125								
	10Nos x 1.80 = 18.80 @ 15 kg/mtrs		18.8	15.00			282.00		
	50mm dia MS Pipe medium grade 5Nos x 18.5Mtrs @ 5.03kg/mtrs		92.5	5.03			465.28		
	50mm dia MS Pipe medium grade 5Nos x 18.5Mtrs @ 5.03kg/mtrs		92.5	5.03			465.28		
	20mm dia medium pipe 5x 50 Nos x 0.75 @5.03kg/mtrs		187.5	5.03			943.13		
	M.s Rectangular tubes (purlines) 1 Length=35.00 kgs = 20x4 = 80 length x 35 kg per length =2800 kgs						2800.00		
	2"x2" L Angle Clite 8x32x0.30 = 76.80 Mtrs for foundation 8x8x0.90 = 57.60 76.80 = 134.40 Mtrs x 2.50		134.4	1.25			168.00		
							8592.86	118.80	1020831.00
	Basic Rate	110.00							
	Area Weightage @ 8%	8.80							
	Total	118.80							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trpezoidal profiled sheet of approved make 1060mm width (1000mm cover width), 28-30 mm crest height with cest distance of 200 mm c/c with 2ribs at the center for stiffening , The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc –Alu Alloy coating AZ 150 gsm as pe ASTM 1397/A755-550 mpa steel grade. 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling /self tapping screws of 25mm length,to be fixed over the existing purlins, rafters channel and trusses. No. 300/ Item No. 38.30 PWD SR 2016-17	sqm							
	GI Sheet (0.5mm)		1	18.00	18.00		324.00		
							324.00	831.60	**269438.00**
	Basic Rate	770.00							
	Area Weightage @ 8%	61.60							
	Total	**831.60**							
12	Supplying and fixing **M.S Rectangular poles** made out of 2 equal angles of 65x65x6 mm welded together and fixed in cc1,2,4 with 2 nos16 mm dia M,S Hold fasts rods of each length 25 cms, including cost of all materials, cutting,bending scaffolding where ever necessary,nice finishing the welded joints with all lead and as per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting(excluding the cost of earth work and concrete) (Page No. 255/ Item No. 37.2)	Mtrs							
			25			2.50	62.50	884.52	55283.00
	Basic Rate	819.00							
	Area Weightage @ 8%	65.52							
	Total	**884.52**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	Providing and fixing **M.S Block pipe of 38 mm dia,** of heavy guage of 14 including the removing the bends,cutting the pipe and fixing the pipe inbetween the two verticle polesM.S Rectangular pole and spot welding the chain linking with M.S Blockpipe including cost of all materials,wastage in cutting and scaffolding where ever necessary with all lead and liftas per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting (Page No. 255/ Item No. 37.4)	Mtrs							
			2	50.00			100.00		
							100.00	349.92	34992.00
	Basic Rate	324.00							
	Area Weightage @ 8%	25.92							
	Total	**349.92**							
14	Providing **chain link fencing 50** mmsize of 8 guage properly stretched bet ween the rectangular poles and fixed with suitable bolts and nuts ,the free ends shall be welded to the pole and block pipe at top and bottom as required , including cost of all materials, labour lead and,liftj and as per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting (Page No. 255/ Item No. 37.3)	sqm							
			1	50.00		2.00	100.00		
							100.00	711.72	71172.00
	Basic Rate	659.00							
	Area Weightage @ 8%	52.72							
	Total	**711.72**							
15	KSRRB 800-1: **painting two coats after filling the surface** with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specification MORTH chapter 8, No. 182/ Item No. 24.1/ PWD SR 2016-17	**sqm**							
	for korb		4	120.00		0.45	216.00		
			4	30.00		0.45	54.00		
							270.00	64.80	17496.00
	Basic Rate	60.00							
	Area Weightage @ 8%	4.80							
	Total	**64.80**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
16	Providing and fixing M.S Gate as per chief architect drawing using 50mm x 50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shown in the drawinf and 35mm x 6mm and 16mm x16 mm squre rods for verticle alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S flats for horizontal member and at the top cast iron spikes are provided at alternate verticle members as shown in the drawingetc., complete all the steel surface shold be thoroughly cleaned free of dust and painted with anti corrosive paint (shop paint) etc.,complete the work includes cost of all materil labour charges for all items of work, hire charges for welding, cutting and grindingequipment and electrically charges with lead and lift, loading and unloading charges complete as per specification(P 42&43 / I N 7 37)	Sqm							
			1	5.00		2.50	12.50		
			1	5.00		2.00	10.00		
							22.50	3299.40	**74237.00**
	Basic Rate	3055.00							
	Area Weightage @ 8%	244.40							
	Total	**3299.40**							
17	Natural Sand 5.6 to 75 micron Sl No 59 Code No 0772	**Cum**							
	for childrens play ground		1	8.00	15.00	0.20	24.00		
							24.00	**1700.00**	40800.00
	Basic Rate	1700.00							
18	KSRB 6-1 1 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 35 with mud mortar for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications Specification No KBS 6 2 Page No 27 / Item No 6.1/ PWD SR 2016-17	**Cum**							
	for sump	2x2	4	3.00	0.23	2.50	6.90		
							6.90	**5523.12**	38110.00
	Basic Rate	5114.00							
	Area Weightage @ 8%	409.12							
	Total	**5523.12**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
19	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 114/ Item No. 15 21 PWD SR 2016-17	Sqm							
		2x2	4	3.00	2.50		30.00		
							30.00	208.44	6253.20
	Basic Rate	193.00							
	Area Weightage @ 8%	15.44							
	Total	208.44							
20	sitting benches at Rangamandhira						L/s		25000.00
							TOTAL (A)		**311210.00**
	B) Electrification work for Rangamandhira								
1	pointing wiring using copper with switch Supplying and wiring adoping loop system in exiting PVC conduit/casing caping using copper PVC insulated multi strand 2 x1.5 sqmm coper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet II point wiring using class B materials (3/6) a) Short point upto 3 mtrs from tapping point to out let via switch P4 II a (2010-11)	Each	6				6	160.00	960.00
	Medium point above 3Mtrs upto 6Mtrs from taping point to out let via switch P4 II b. (2010-11)	Each	6				6	245.00	1470.00
	a] Long point above 6Mtrs upto 10 Mtrs from tapping point to out let via switch P4 II c. (2010-11)	Each	6				6	345.00	2070.00
2	Wiring for lightin/power circuit using one of PVC insulted 1100v grade,multistrand copper conductor single core cable in open or consealed system of wiring II Group B e) 6 sqmm (9/20) P9 II e. (2010-11)	Each	25				25	45.00	1125.00

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	Groove Cutting : Supplying ... dia 2mm/2 5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc , and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary a) 19/20mm dia 2mm thick (2/3) P2 3 a (2010-11)	Per Mtr	25				25	43.00	1075.00
4	Supplying and fixing PVC/metal conduit accessories special type Junction Box a) 19/20mm junction box (3/5) P3 a. (2010-11)	Each	6				6	18.00	108.00
	DEEP Junction Box a) 18/20 mm deep junction box P3 5.c. (2010-11)	Each	20				20	29.00	580.00
5	32 Supplying and fixing metal fan box with round hook (32/11) (2010-11)	Each	10				10	72.00	720.00
6	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete (6/3) b) 12"x9"x3" (300x228x76mm) P3 6 b. (2010-11)	Each	6				6	80.00	480.00
7	Supplying and fixing of modular switch/Scocket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate II using group B" Meterial (8/18) e) 600 watts dimmer D8 18 e (2010-11)	Each	6				6	390.00	2340.00
	g) 16 Amps one way switch 11 g	Each	4				4	115.00	460.00
	J) 6/16 Amps Universal Socket 11 j	Each	4				4	170.00	680.00
8	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc , and fixing on existing wooden or metal box using N F Screws (22/10) 10 22 (2010-11)	sq cm	1500				1500	0 22	330.00
9	Supplying surface mounted type mirror optic luminaries for single/twin 36/40 watts fluorescent lamps cross rising of stove enameled deep coloured M.S low profile housing complete with all accessories and high purity anodized aluminium reflector assembling along with cross louvers including necessary fluorescent tubes with Energy saving Electronic Ballest Etc complete set II 2x4' 36/40 watts B) group B' (5/17) P17 17 b. (2010-11)	Each	4				4	2500.00	10000.00

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
10	supplying capacitor type celing fan complete with dawn blades,shackle,canopies etc for operation on 230 Volts, 50 cycles,single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved 1 48" Sweep(1200 mm) a) Regular Model (23/23) P23/23/1 (2010-11)	Each	4				4	1800.00	7200.00
11	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for e for light duty suitable for operate on 230 V 50 Hz, AC Supply a) Group A' (21/22) P23/22/1 (2010-11)	Each	4				4	1250.00	5000.00
12	Supply patty type fluorescent tube light fitting of 4-36/40 watts flourescent tube fitting,made out of M S sheet and stove eanmeled with low loss open construction copper wound ferromagnetic ballast, strter,locking type prass contact holders mounted on double fold type sheet base fully wired for use on 230 volts A C supply including 1NO 4-36/40 watts fluorescent tube) (2/16) Group A P16/2/b (2010-11)	Each	4				4	360.00	1440.00
13	Fixing all types and all capacities fluorescent/false celing/spot light/CFL fitting indoor on the wall/ celing/rafters/griders using 23/0 0076" twin twisted PVC insulated wires,required nos of blocks and clamps(if required) a) On wall/ ceiling/ Rafter/Griders (7/29) P29/7/a (2010-11)	Each	10				10	105.00	1050.00
14	Fixing one ceiling/wall mounting fan of all capacities and all types to the exiting S hook with fan regular to the exiting board together with supplying and fixing a 5 ampers ceiling rose,necessary langth of 23/0 0076 inch PVC insulated twin twisted copper wire and wiring completely. (8/29) P29/8/ (2010-11)	Each	8				8	105.00	840.00
15	Fixing one exnaust fan in the nitch already left in the wall with bolts and nuts 5 amps ceiling rose with sufficient length of 23/0.0076 inch PVC insulated twin core wire of apporoved Make (12/29) P29/12 (2010-11)	Each	4				4	310.00	1240.00

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
16	Supplying,fixing wiring earth electrode for grouding conduits, I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI2.5 mtrlong buried in a pit should be filled with equal proporation of salt and charcoal 150mm alround the pipe to complete depth. The conection from the pipe to the conduit etc is to be established throughGI wire of size as oer ISI specifications 7.33 of IS 732 using 12mm dia bolts,nuts,washers and checknuts etc,the pipe shall have 16 through holes 12mm dia (68/01) P68/01. (2010-11)	Each	2				2	1950.00	3900.00
17	suplying and mixing miniature circuit breakers on exiting MCB distribution boards using necessary fixing materials and C type curve,indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10k and complete wiring as required a) 32 Amps SP 1)Group A (12/36) P36/12/A/1 (2010-11)	Each	4				4	195.00	780.00
18	Energy meter box. Supply and instalation/fixing/ provision of outdoor type thermoplastic modular panel enclousers with transperent polycarbonate lid shock proof,coreosion proof having internally embedded gasket on both lid and flap suitable to fix. Single phase/three phase energy meter in suitable base plate and having a provision fo fuse/ MCB cutout with suitable transperent hinged flap opening for operating MCB along with complete tamper proof SEALING facility. a) 300 x 300 x 214 mm (40/42) P42/40/a (2010-11)	Each	3				3	3055.00	9165.00
19	Supplying of LT UG cable having aluminium conductor PVC insulated,sheathed,galvanized,steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV class A PVC Cabled)4 core 16 sqmm (68/04) P.68/1/d. (2010-11)	Per Mtr	4				4	150.00	600.00

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Labour charges for laying of 1.1KV Class UG cable in existing trench GI pipe stoneware pipe/on wall/on pole as required a) 6sqmm to 16 10 sqmm (5/69) P/69/5/I/a (2010-11)	R.Mtr	10				10	8.00	80.00
	Digging of trench of 0.6mm deep * 0.50 mtr wide refilling the trench to the required ground level and consolidating etc. complete (As per Civil SR KSRB 1-2p-7)a. in Ordinary soil (6/70) P/70/6/a. (2010-11)	R.Mtr	10				10	40.00	400.00
	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not lessthan 3.25mm on pole/wall/drain crossing eith necessary clamping arrangements for UG cable of 1.1 KV class B 50 mm (9/70) P/70/9/b. (2010-11)	Mtr	3				3	260.00	780.00
	Suplying and fixing L.T cast Iron Pot Heads suitable for 1.1KV class UG cable filled with Necessary bitumen/insulating compound complete with terminals,clamps,bolts,nuts and washers etc. b 16 Sqmm (10/70) P/70/10/b. (2010-11)	Each	3				3	260.00	780.00
							Total B)		55653.00
	C) WATER SUPPLY AND SANITARY WORKS								
1	KSRB 13-8 11 Providing and fixing to wall, ceiling and floor, low-density polyethylene pipes 10 00KGf/sq cm working pressure 25mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling an floor including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No 13 2 15 1 / 13 9,, Page No 103/ Item No 13 76 / PWD SR 2016-17	Mtrs	1	20.00			20.00		
							20.00	117.72	2354.00
	Basic Rate	109.00							
	Area Weightage @ 8%	8.72							
	Total	117.72							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 12-1.1 : Providing and laying in position to required level or slope 200mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges complete as per specifications Specification No. KBS 12 2 5/12.7 Page No. 67/ Item No. 11 3/ PWD SR 2016-17	Mtrs							
			1	10.00			10.00		
	Basic Rate	478.00					10.00	516.24	5162.00
	Area Weightage @ 8%	38.24							
	Total	516.24							
1	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specificationsNo KBS Page No. 70/ Item No. 11 50 PWD SR 2016-17	Unit							
			1	1			1		
							1	7604.28	7604.00
	Basic Rate	7041.00							
	Area Weightage @ 8%	563.28							
	Total	7604.28							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 13-6 5.1: Providing and fixing in position 15mm nominal bore brass ferrule with C.I. mouth cover including boring and tapping the main, cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specifications NO KBS 13.3.3 / 13.14 Page No. 89// Item No. 13.43 / PWD SR 2016-17	Each							
			1	2			2		
	Basic Rate	182.00					2	196.56	393.00
	Area Weightage @ 8%	14.56							
	Total	196.56							
5	Providing Supplying and commissioning of 1 HP submersible Monoblock pump with starter 15mm cable with necessary GI fittings with suction & Delivery hose pipes including necessary fittings etc completed as per specifications.	Nos							
			1				1		
							1	10000.00	10000.00
6	Bescom Deposite								
	Rangamandhira		1				1	17000.00	17000.00
							1	15500.00	15500.00
						Total (C)			41013.00
						Total A+B+c			3210869.00
						Sub Total			3210869.00
7	KRIDL Charges 9%								288978.00
16	Miscellaneous charges								153.00
								Total	3500000.00

(Rupees Thirty five Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka satellitetown Sub Division
Bangalore-64

ADMINISTRATIVELY SANCTIONED FOR Rs. 35.00 lakhs

Rupees Thirty Five lakh only

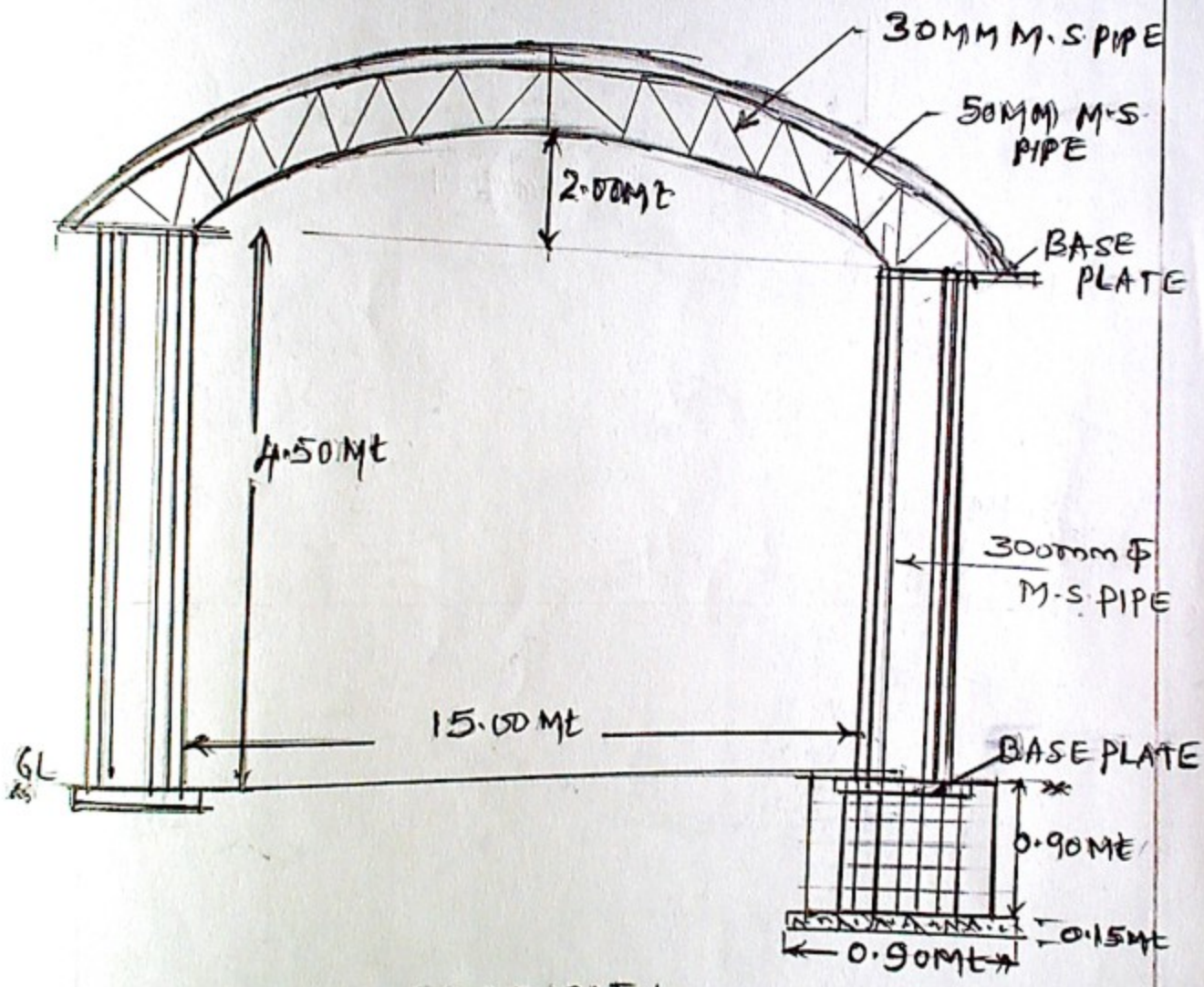
Under P-3089

Executive Engineer
Yelahanka Division
Bangalore-64

Technical Sanction
Accorded For 35.00 lakh Rs.
Head of A/C P3089
CER NO :195 Dt:.24.3.17

Registered in EE ( ) 9.....9.....
Subject to conditions contained in
enclosed memo EE ( ) No /9/....
Dt Estimate A/Sanctioned
EE/Mel/PRIAS/42/16-17
dated 18.3.17 Rs 25.00 lakhs

TA CE (YNK)



CROSS SECTION

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಎಂ.ಕ. ಬೆಂಗಳೂರು-106

Ramasanjeevaiah